

## ABSTRACT

**BRIDGING SYSTEM FOR INTEROPERATION OF REMOTE GROUPS OF  
DEVICES**

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A bridging system for a communication system comprises a first gateway (107) and a second gateway (108) arranged to communicate with each other. Each gateway (107, 108) is connectable to a different bus (100, 105) of the communication system. The first gateway (107) is operative to communicate details of available devices (102, 103) on its respective bus (100) to the second gateway (108). The second gateway (108) is operative to generate at least one proxy element corresponding to each of said available devices (102, 103). Each proxy element is operative to communicate data and messages between devices (130) on the bus (105) of the second gateway (108) and the device on the first gateway (100) corresponding to the proxy element.

[Fig. 1]